



# Maine Safe Ways to School

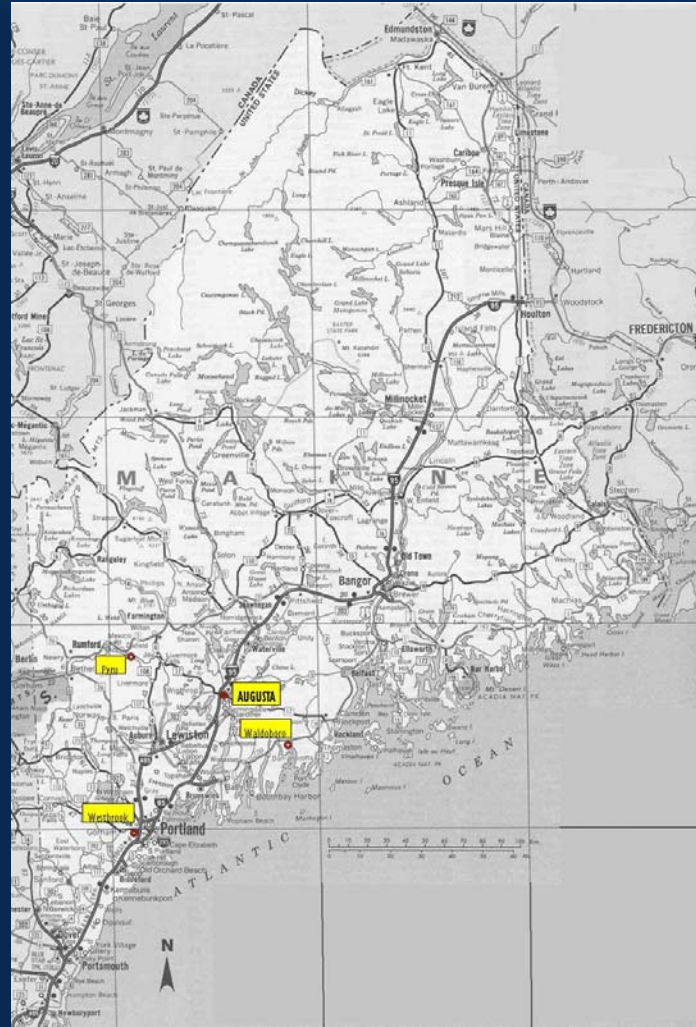


# Meeting Agenda

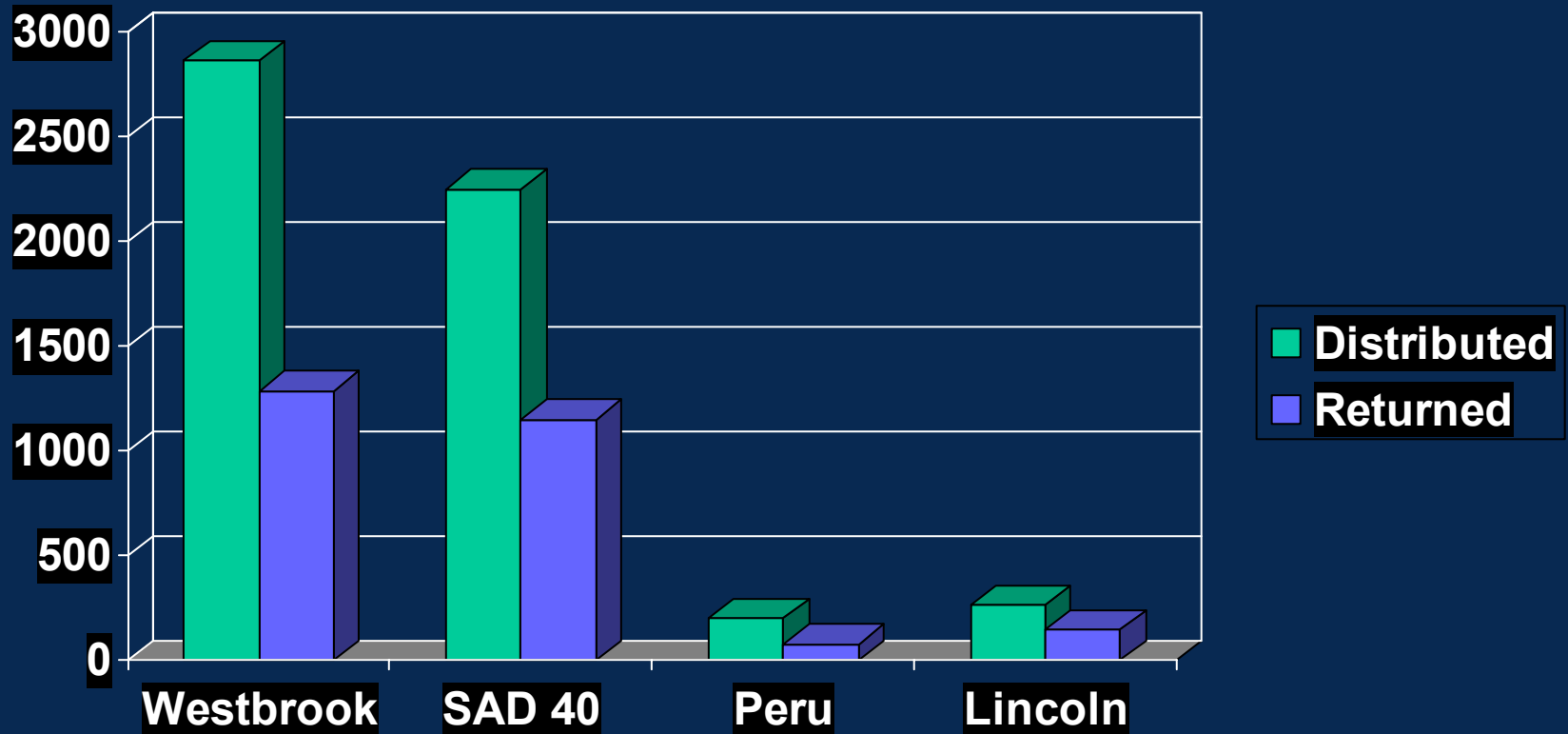
- **Project Introduction**
- **Discussion of Statewide and Local Survey Results**
- **Traffic Safety Problem Areas Identified in Survey**
- **Potential Street and Intersection Improvements**
- **Potential Promotion and Classroom Activities**
- **Pilot Program for Fall 2002**

# Maine - Safe Ways to School Research Project participating districts and schools

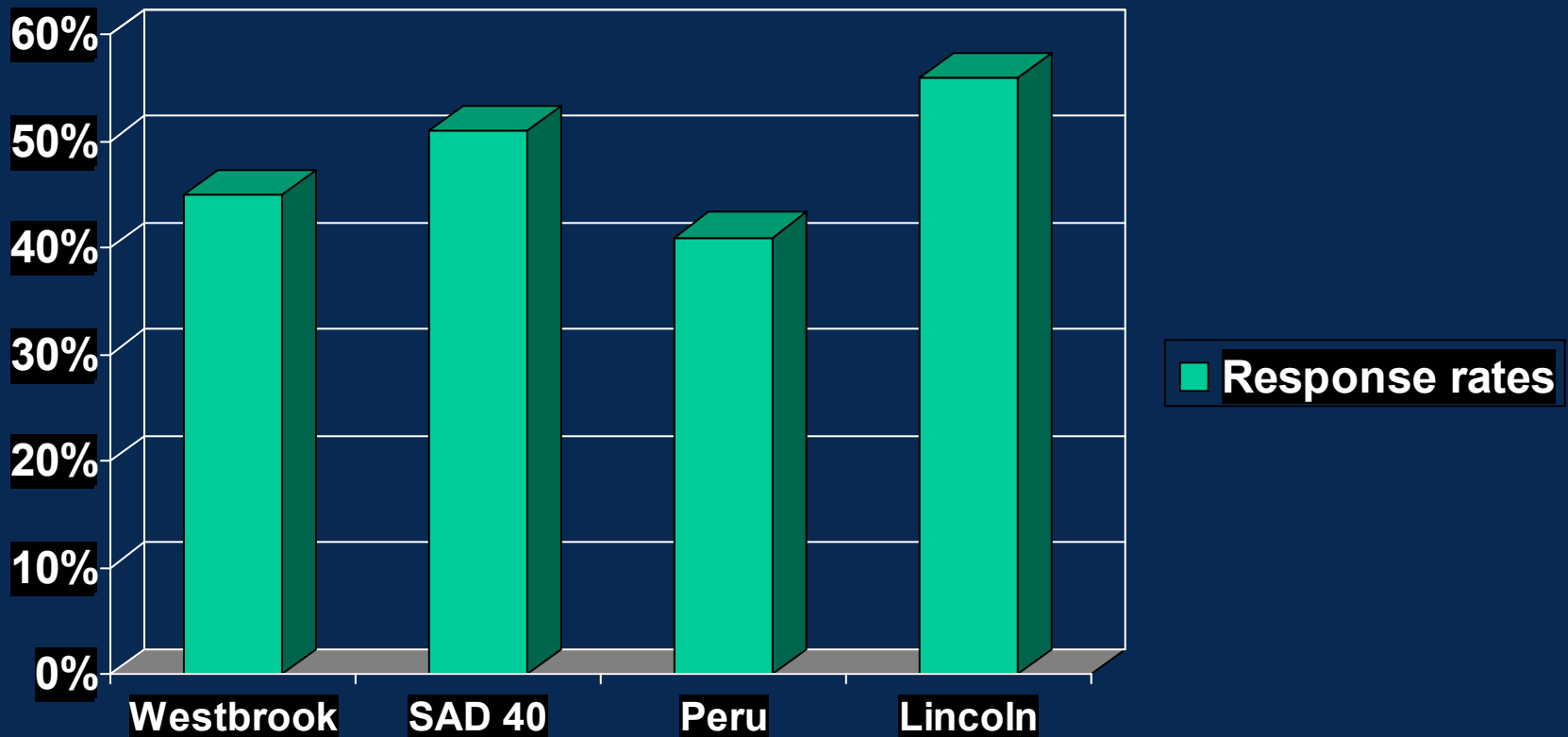
- **Westbrook Schools (6)**
- **SAD 40 Mid Coast (8)**
- **Lincoln School, Augusta**
- **Peru School**



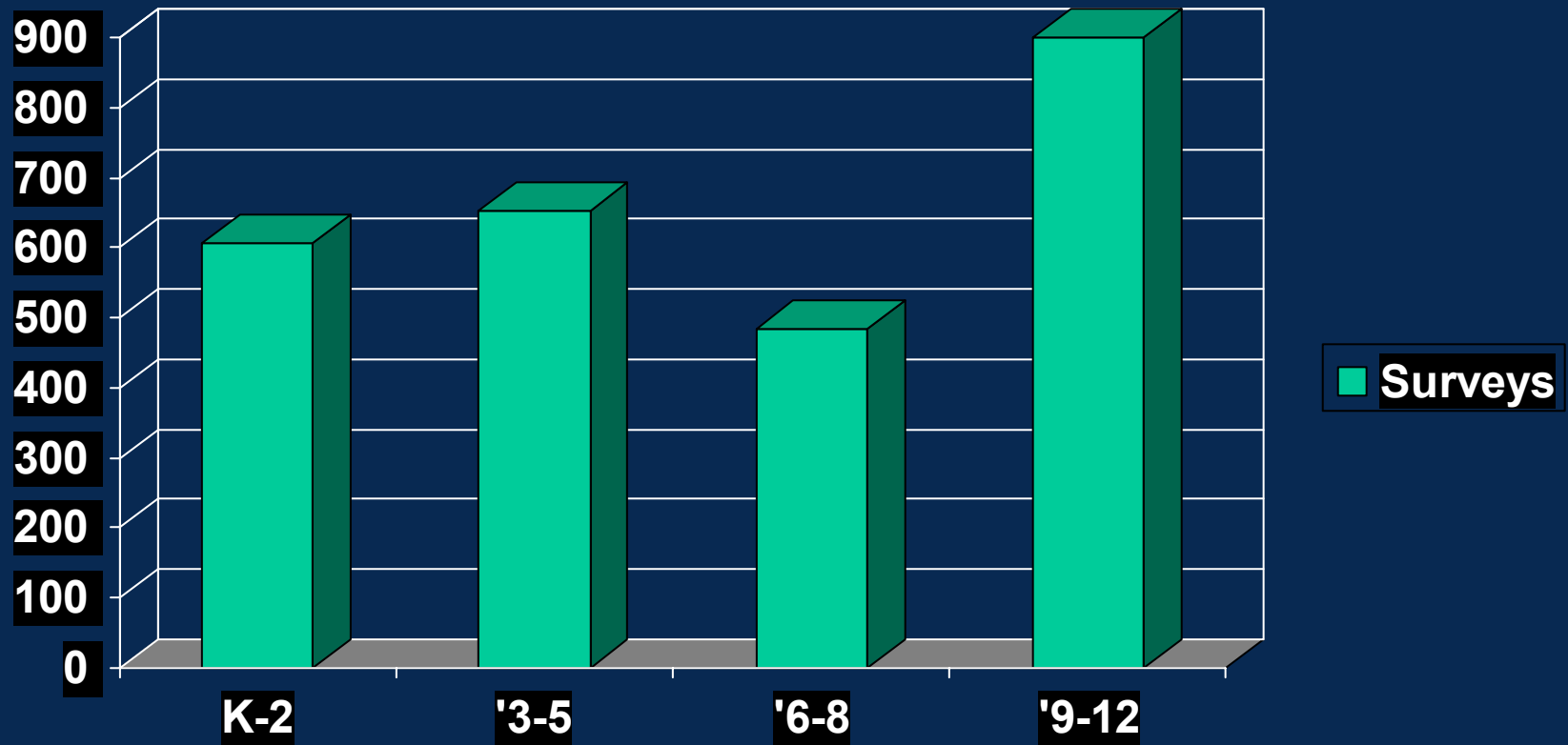
# Surveys Distributed and Returned by District



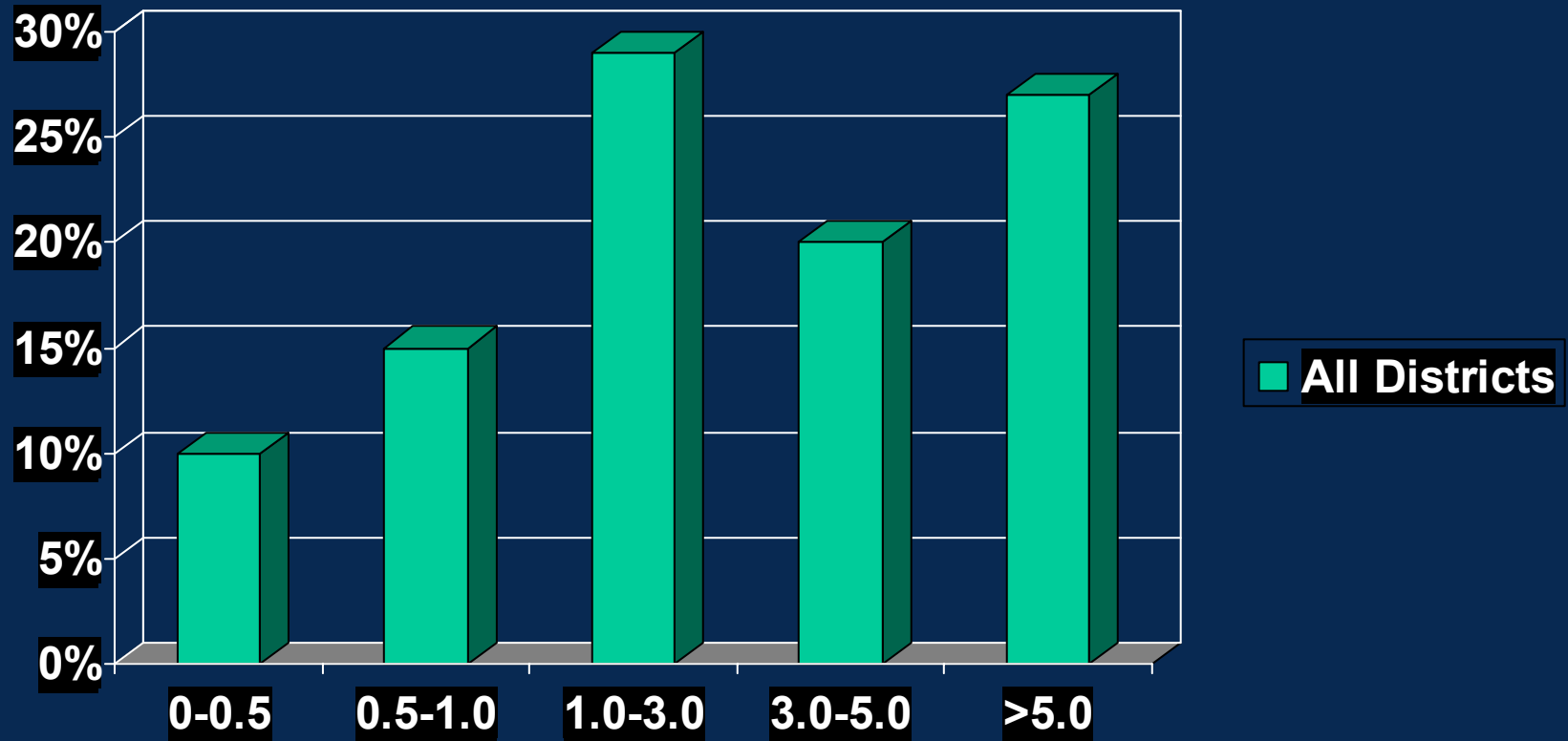
# Survey Response Rates by District



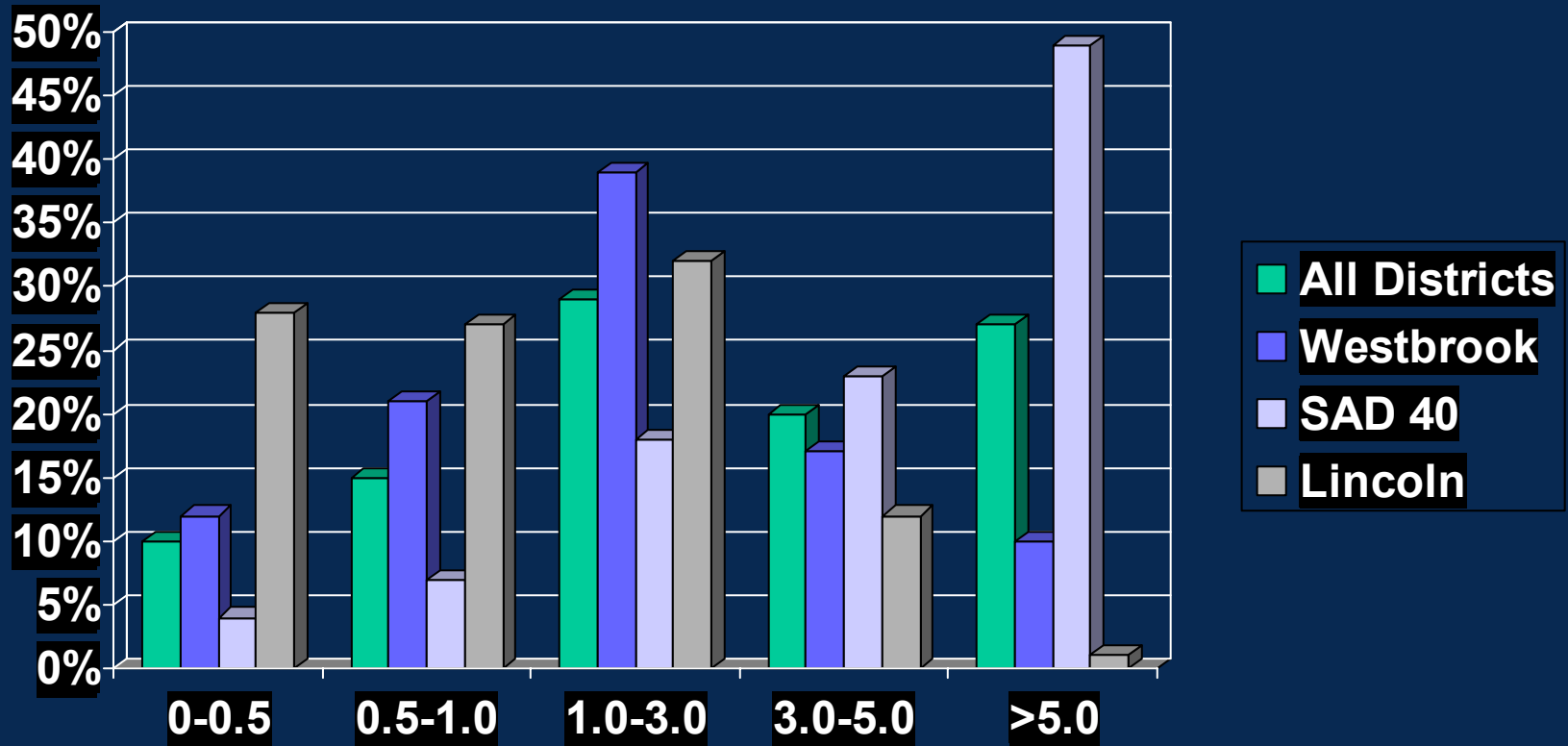
# Surveys Returned by Grade



# Distance in Miles from Home to School

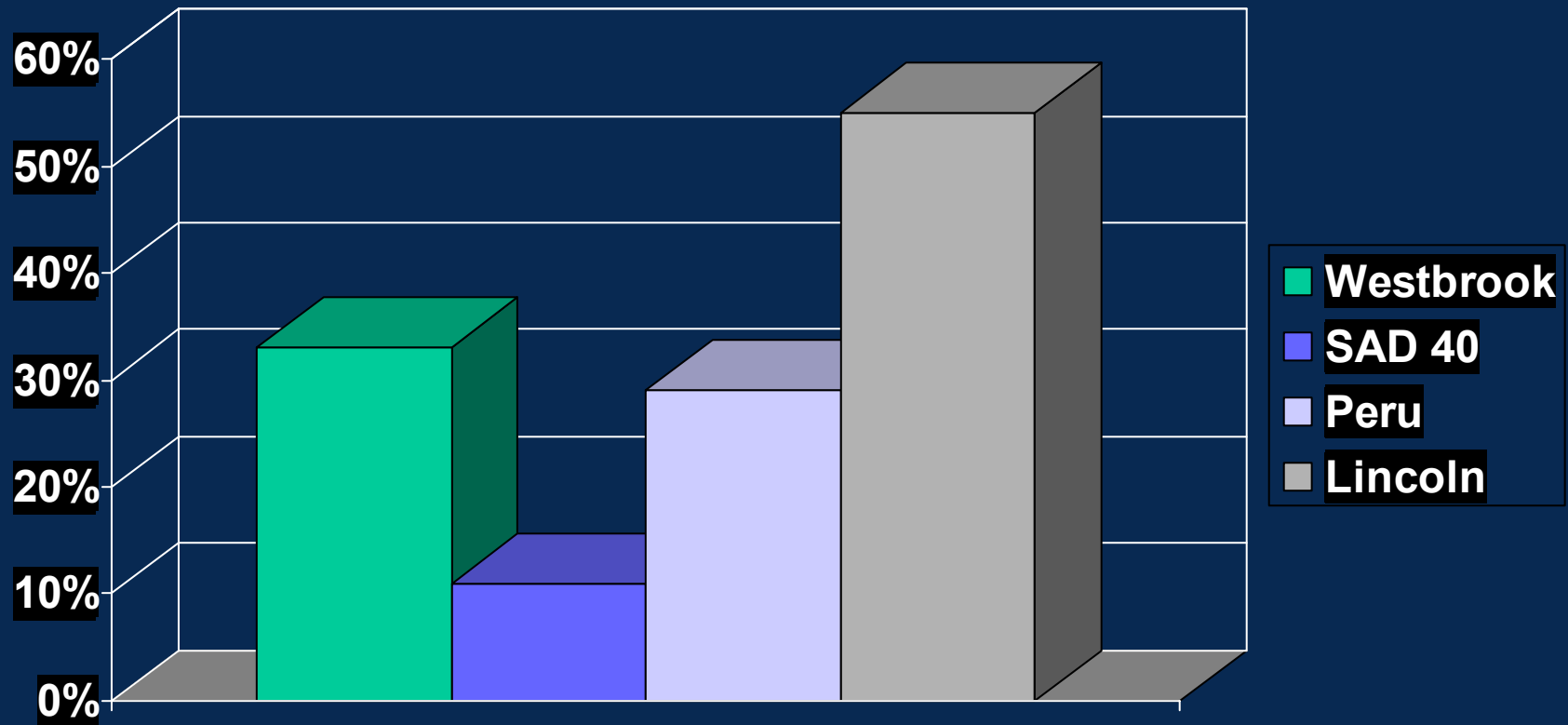


# Distance in Miles from Home to School

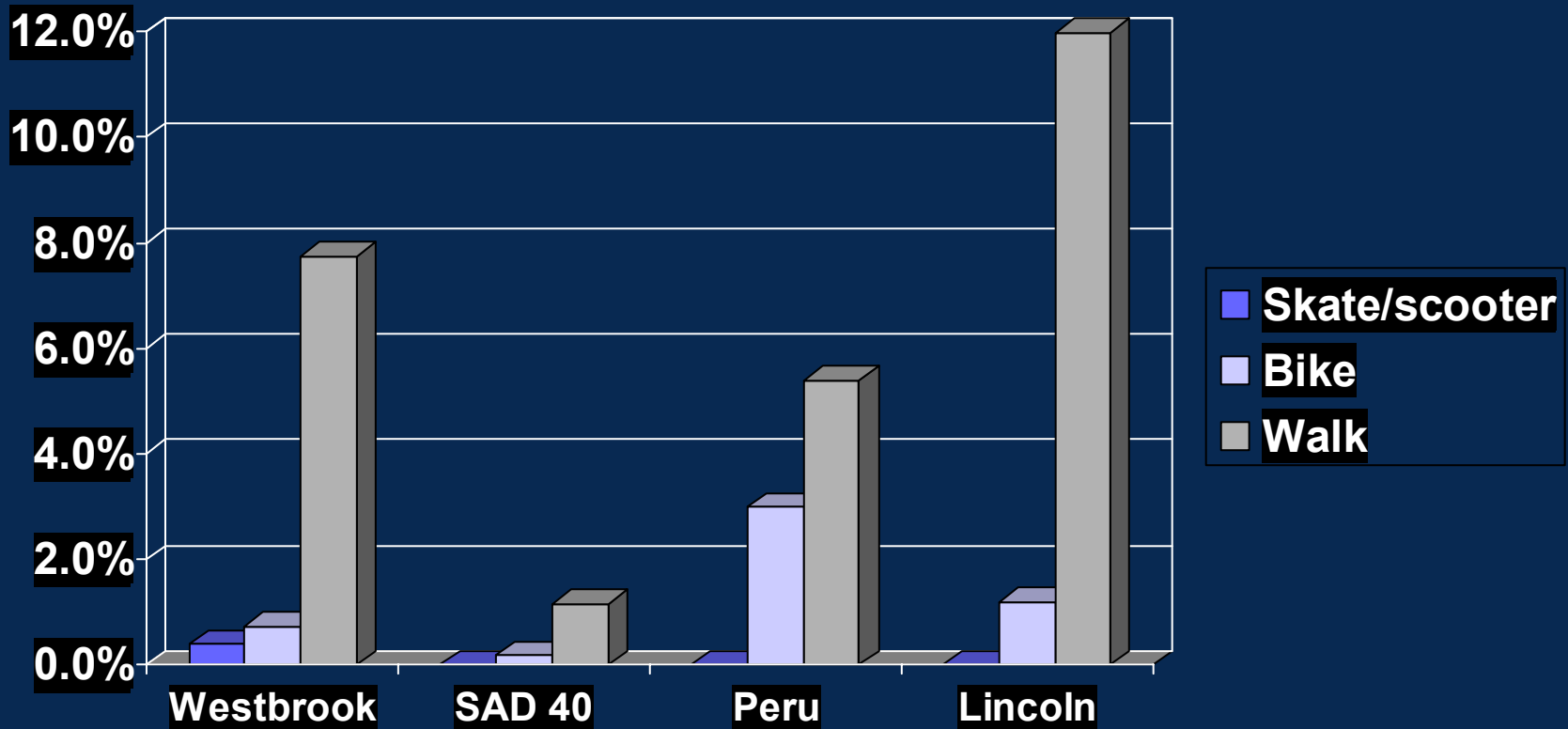




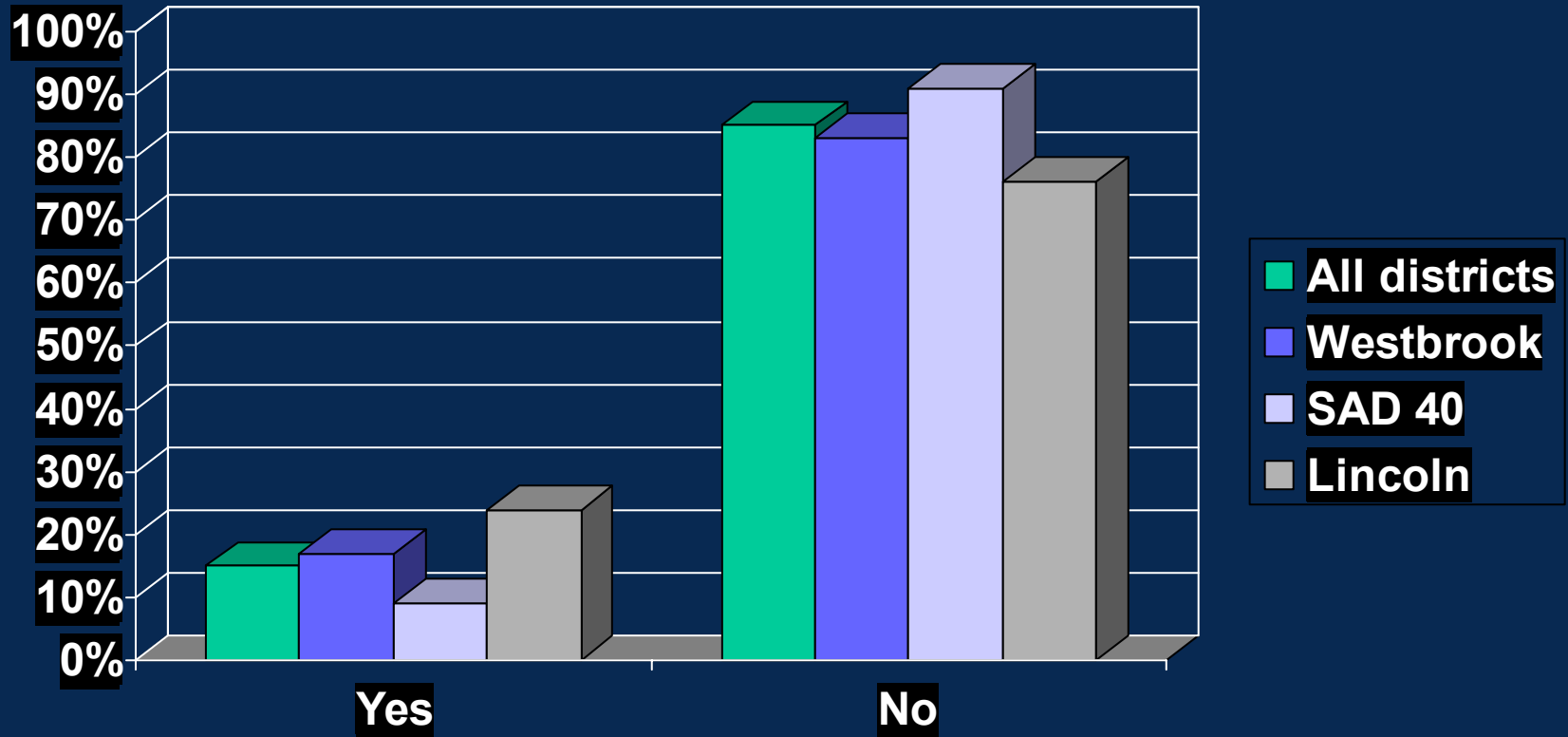
# Percent of Students within One Mile of School



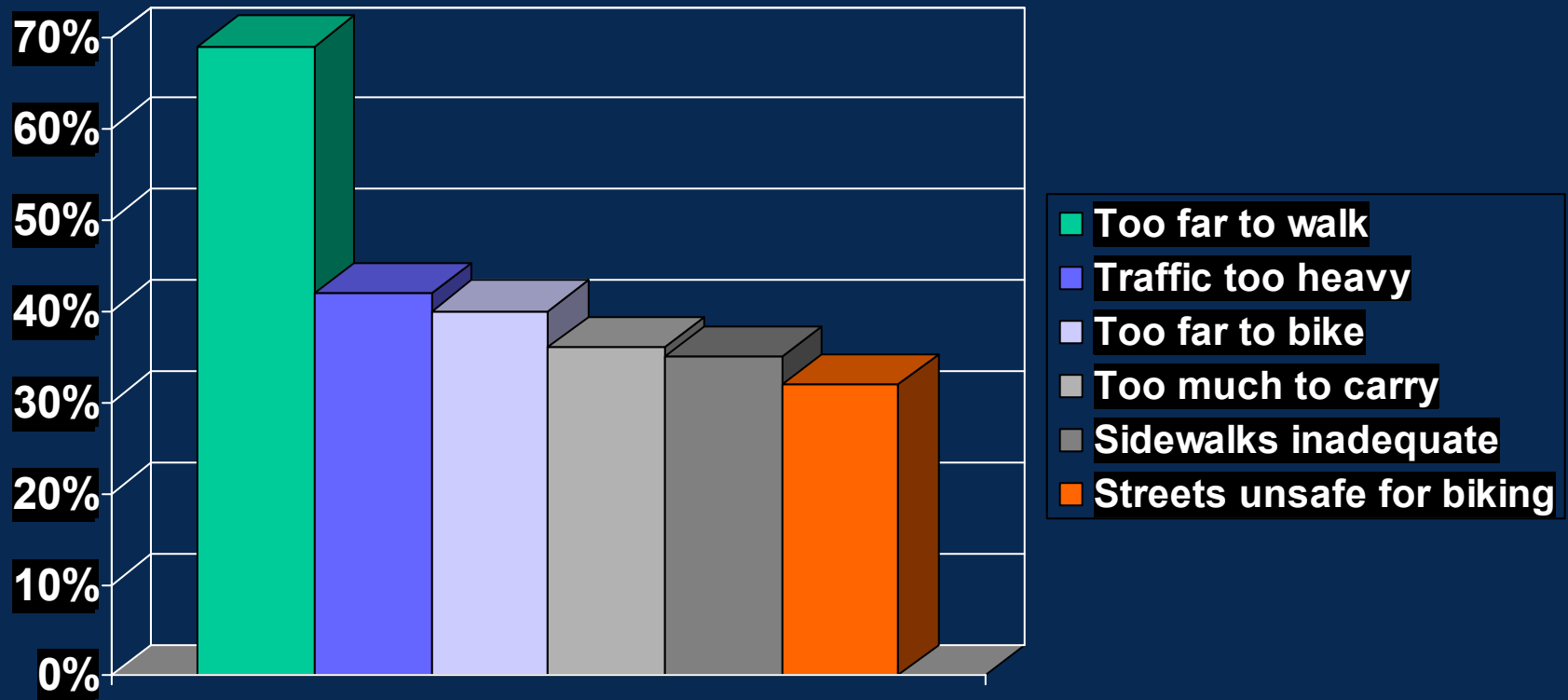
# Non-motorized Access to School by District (%)



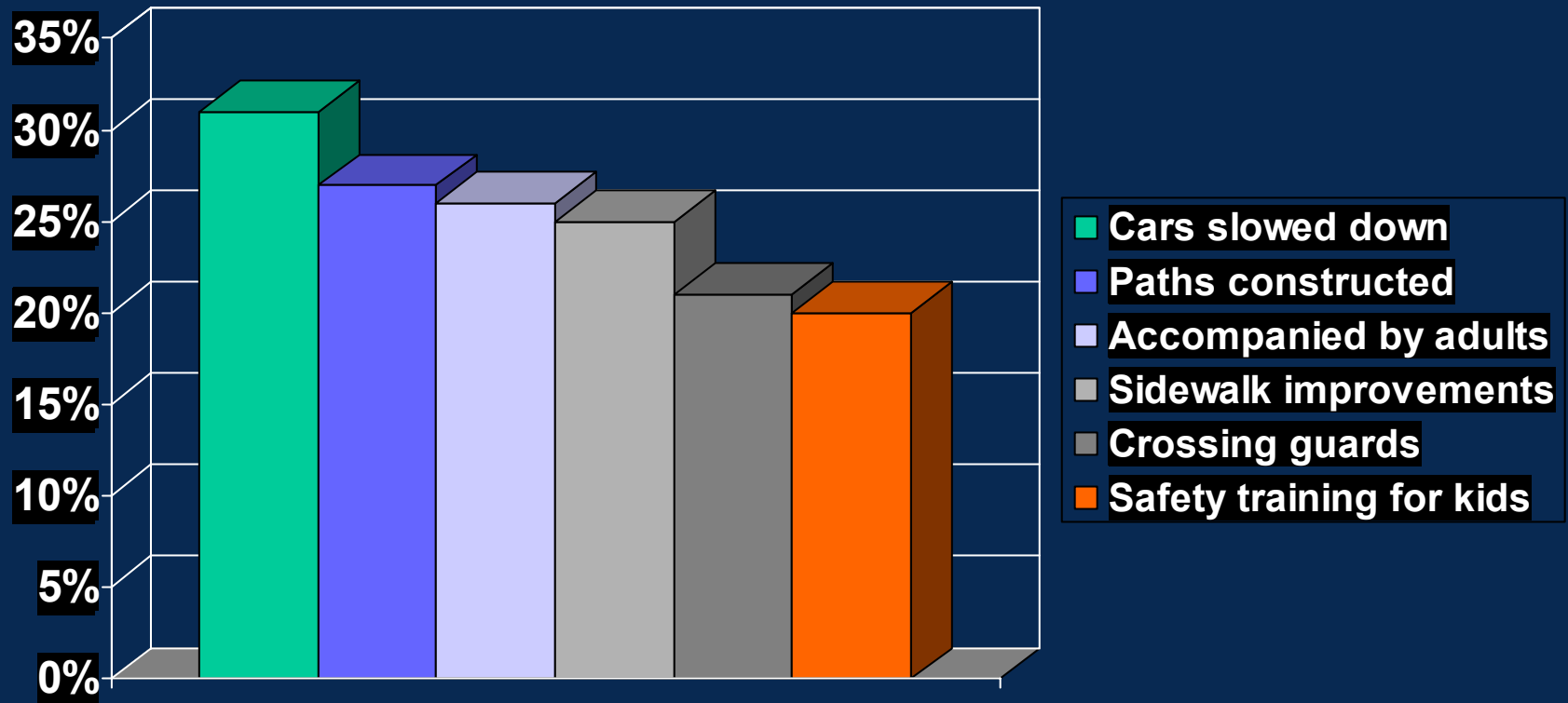
# K-8 Students Allowed to Walk or Bike to School?



# Reasons Students Do Not Bike or Walk to School (other than weather)



# Conditions Under Which K-8 Students Would Be Allowed to Bike or Walk to School (All Districts)

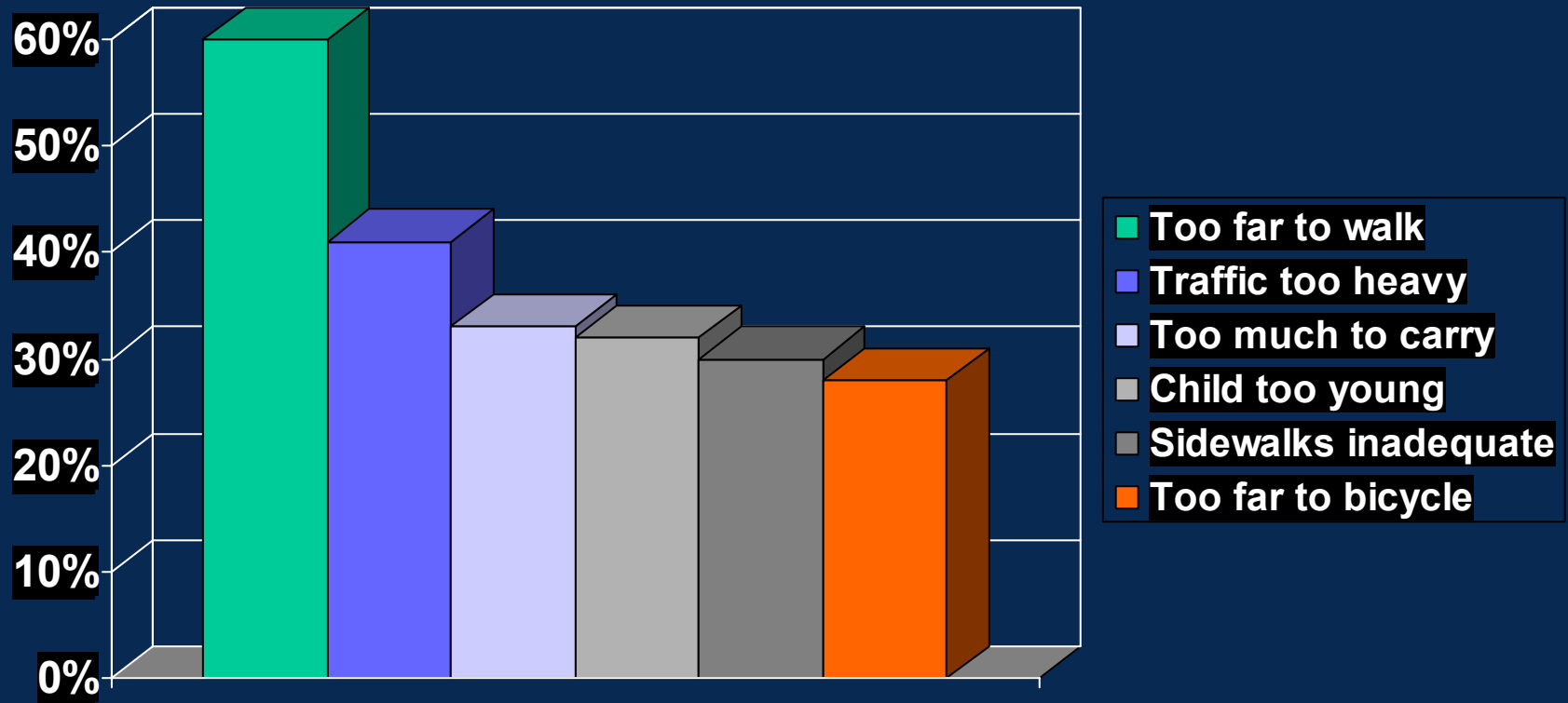


# Westbrook Schools

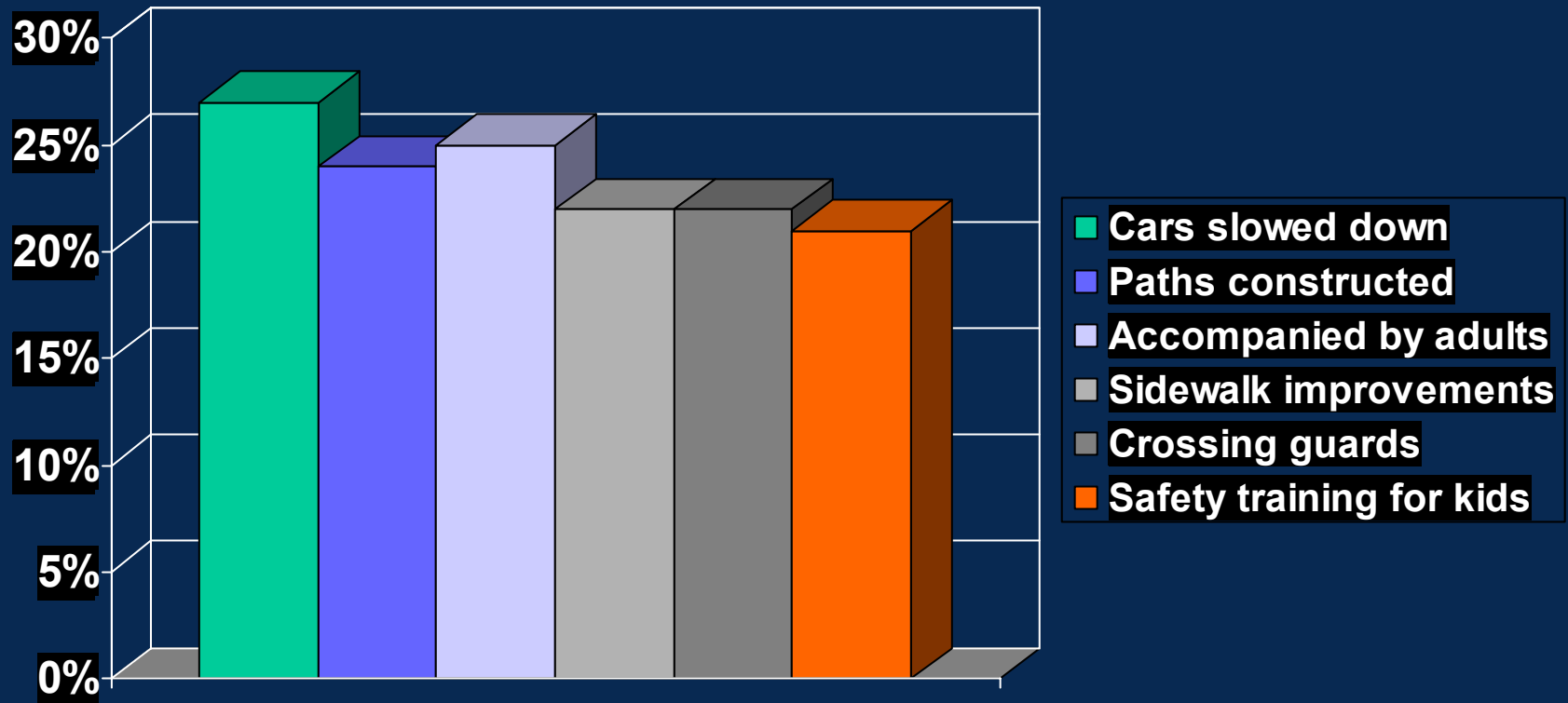
- **Prides Corner School (K-2)**
- **Saccarappa School (K-2)**
- **Canal School (3-5)**
- **Congin School (3-5)**
- **Westcott Middle School (6-8)**
- **Westbrook High School (9-12)**



# Reasons Westbrook Students Do Not Bike or Walk to School (other than weather)



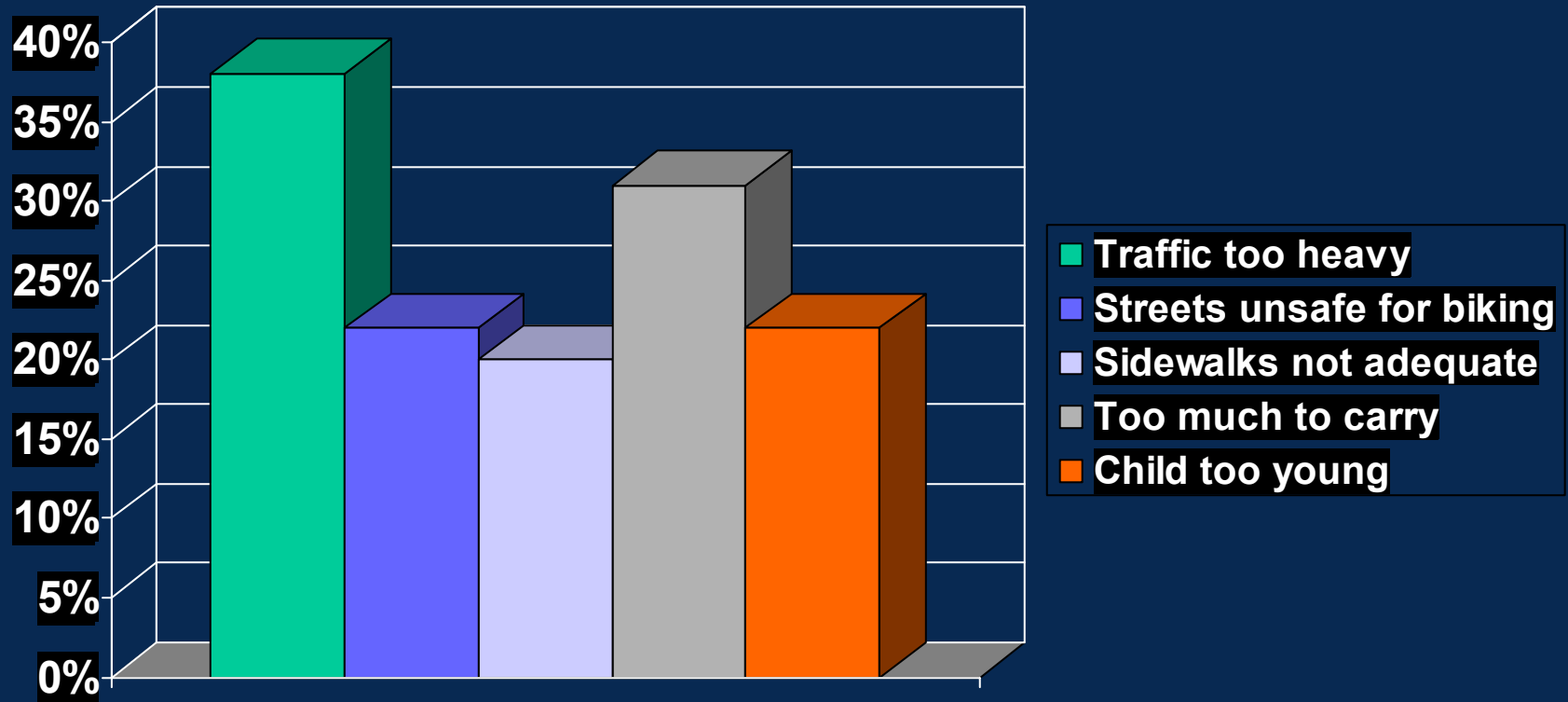
# Conditions Under Which K-8 Students Would Be Allowed to Bike or Walk to School (Westbrook)





# Reasons Cited for Not Biking or Walking to School

## Grade 3 – 8 Students Who Live within One Mile of School in Westbrook



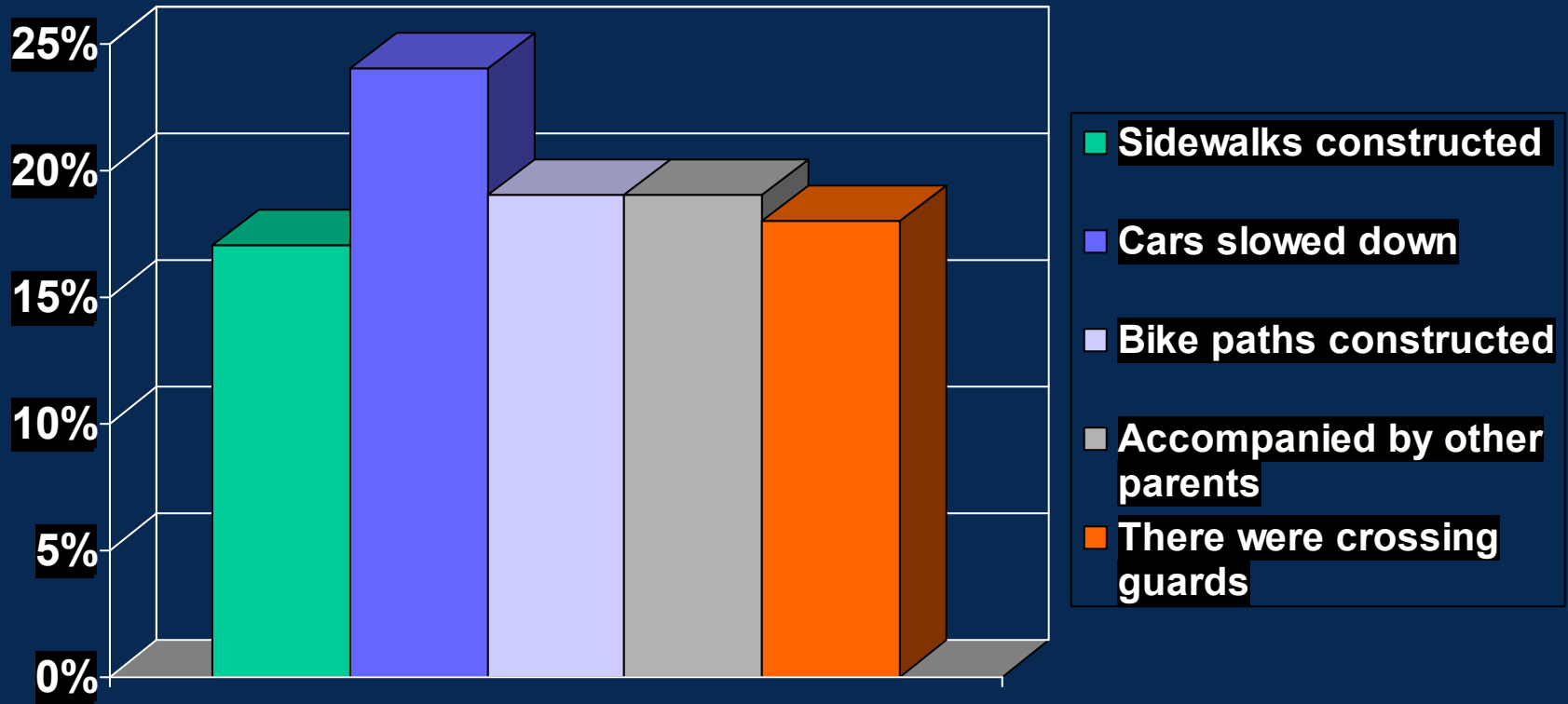
## Reasons Cited for Not Biking or Walking to School

### Grade 3 – 8 Students Who Live within One Mile of School

<u>Reason</u>	<u>Westbrook</u>	<u>SAD 40</u>
Traffic too heavy	38%	54%
Streets unsafe for bicycles	22%	46%
Sidewalks not adequate	20%	46%
Student has too much to carry	31%	28%
Child too young	22%	22%

# Conditions Under Which Students Would Bike or Walk

## Grade 3 – 8 Students Who Live within One Mile of School in Westbrook



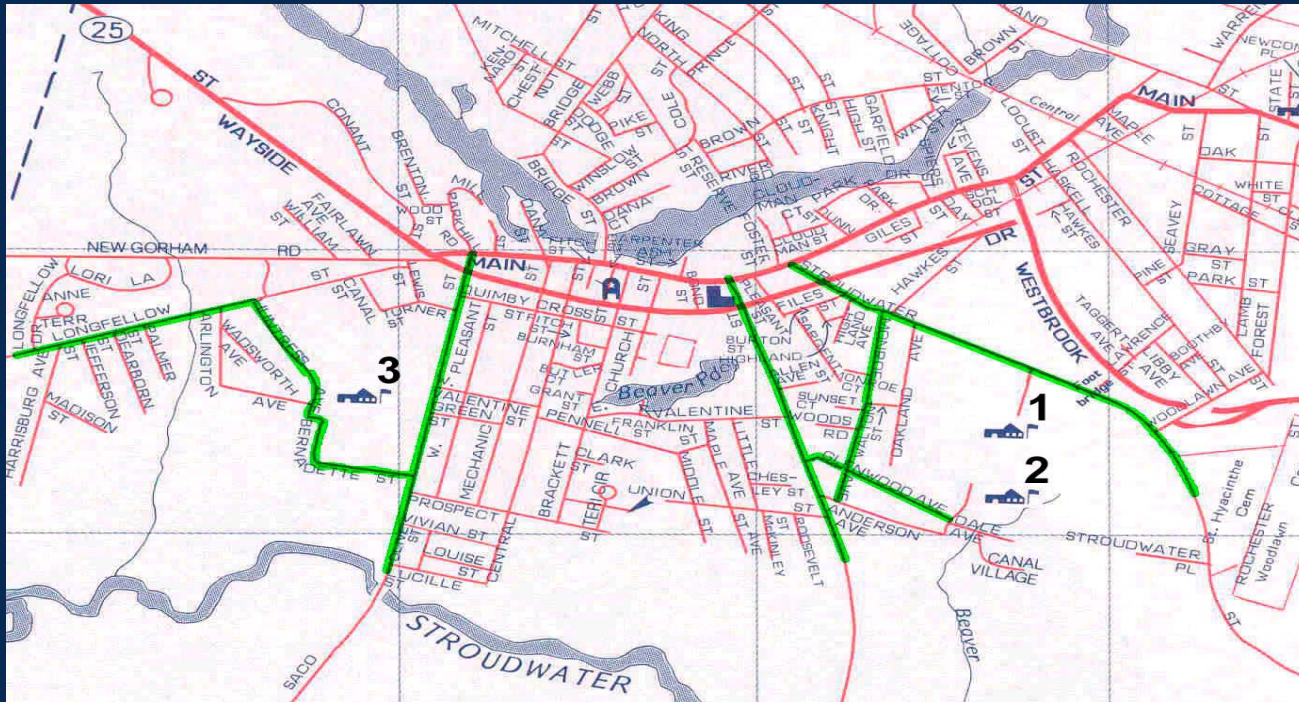
## Conditions Under Which Students Allowed to Walk or Bike Grade 3 – 8 Students Who Live within One Mile of School

<u>Condition</u>	<u>Westbrook</u>	<u>SAD 40</u>
<b>Sidewalks improved or constructed</b>	<b>17%</b>	<b>52%</b>
<b>Cars slowed down</b>	<b>24%</b>	<b>48%</b>
<b>Bicycle paths constructed</b>	<b>19%</b>	<b>43%</b>
<b>Accompanied by other parents</b>	<b>19%</b>	<b>34%</b>
<b>Crossing guards deployed</b>	<b>18%</b>	<b>34%</b>

# Westbrook Schools

- **Traffic safety problem areas identified in survey by school:**
  1. **Prides Corner School – Austin & Bridge Streets**
  2. **Saccarappa School – Saco & Spring Streets**
  3. **Canal School – Stroudwater and Main Streets**
  4. **Congin School – Bridge and Cumberland Streets**
  5. **Westcott Junior High – Bridge and Main Streets, Wayside Drive**
  6. **Westbrook High – Spring Street, Park Road**

# Westbrook Schools – South Side





# Sidewalks on Neighborhoods Streets Glenwood Ave (L) and Monroe Ave (R)



# Sidewalk Extension on Stroudwater Street

Sidewalk to be extended to serve new areas





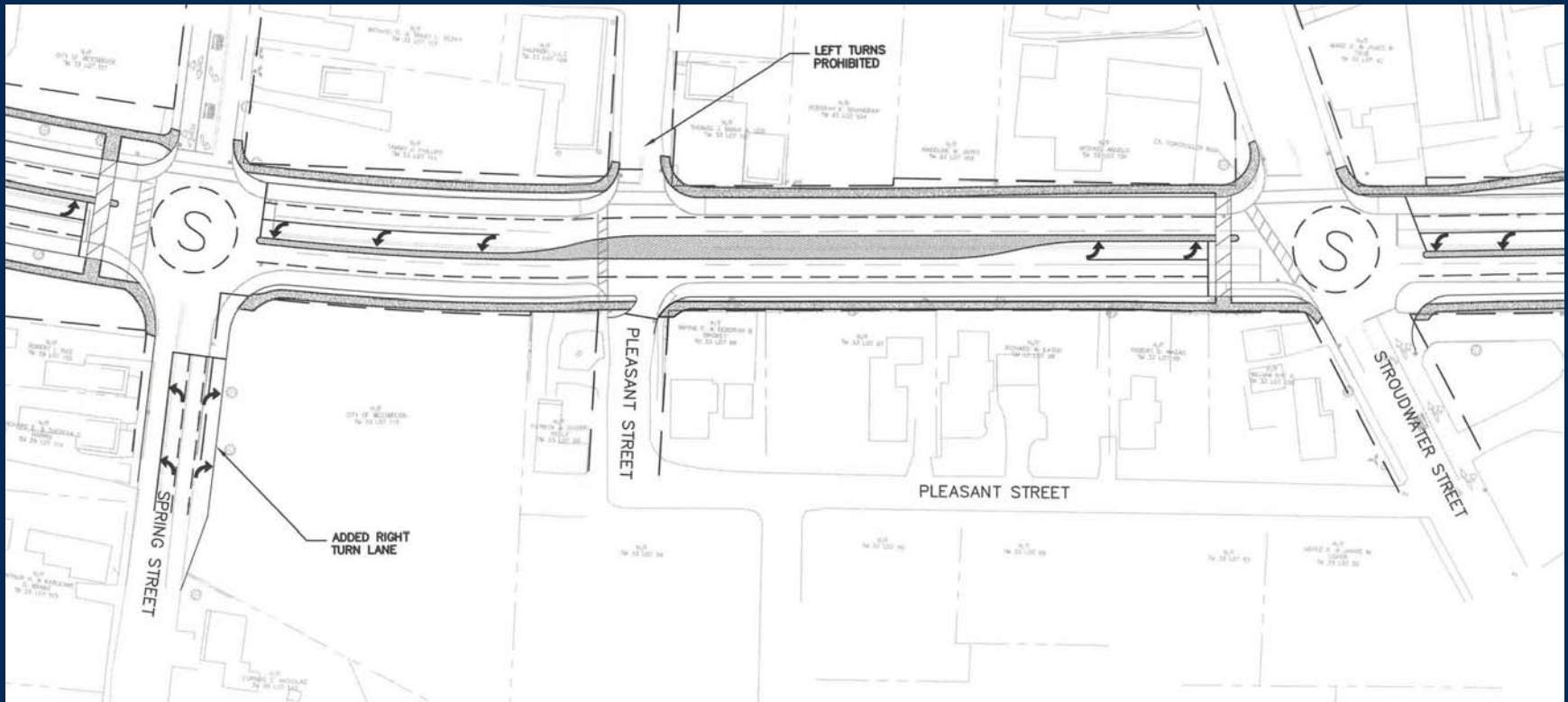
# Intersection of Spring Street & Glenwood Avenue Served by Crossing Guard



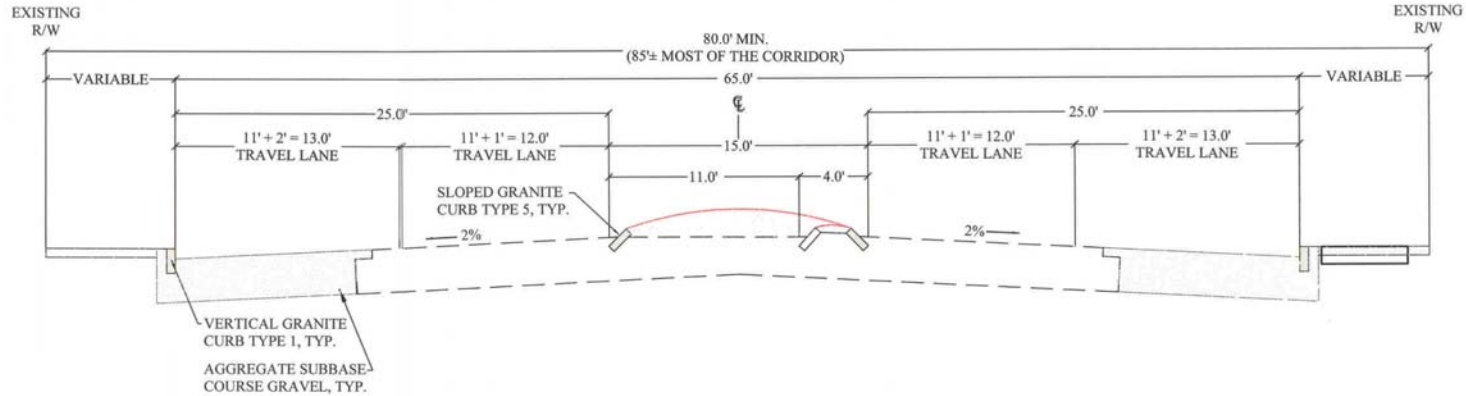
# Crossing Wayside Drive Spring Street (L) and Stroudwater Street



# Redesign of Wayside Drive (to be renamed William Clark Boulevard)



# William Clark Boulevard (Typical Section)



William Clark Blvd  
Proposed Street Improvements-Typical Section

Sebago Technics  
March 18, 2002



# Prides Corner School

## Access from Pride Street (L) and from US 302 (R)



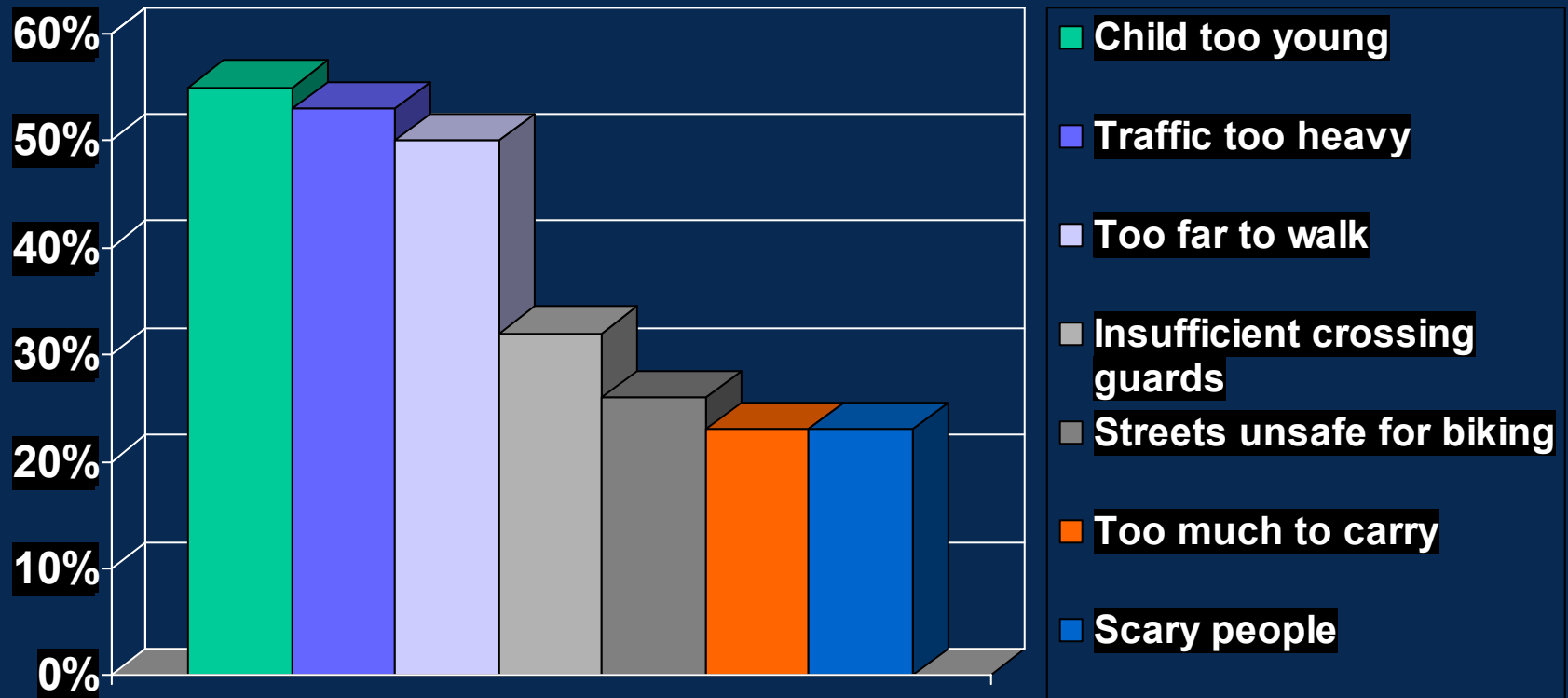
# Bridge Street at Westcott Junior High and Congin School Driveway



# Lincoln School, Augusta (K-5)

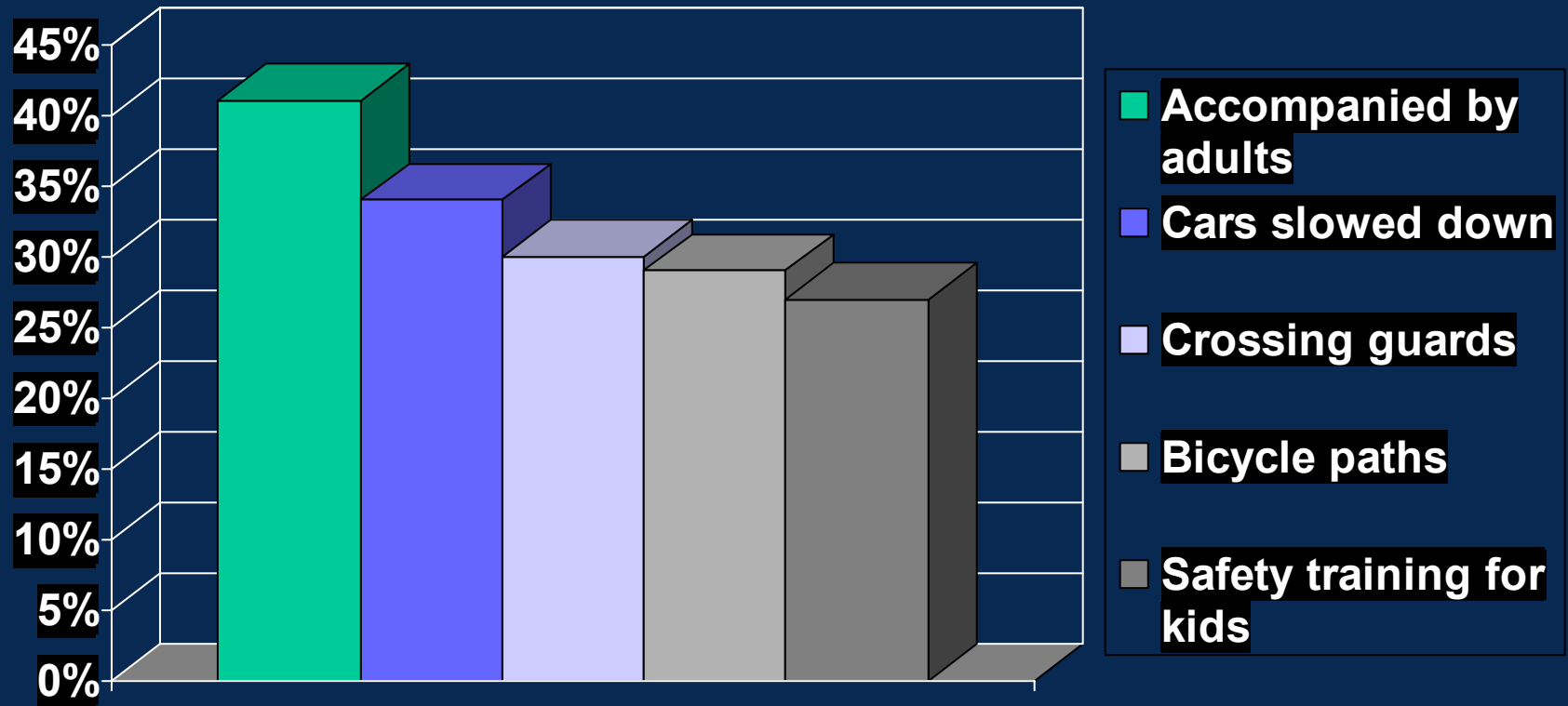


# Reasons Lincoln School Students Do Not Bike or Walk to School (other than weather)





# Conditions Under Which Students Would Be Allowed to Bike or Walk to the Lincoln School



# Lincoln School

- **Traffic safety problem areas identified in survey:**
  - Western Avenue (n=32)
  - Winthrop Street and Hill (n=12)
  - Sewall & Capital Streets (n=9)
  - Green & Johnson Streets (n=7)
  - Near State Office Buildings (n=6)
  - North & South Chestnut Streets (n=5)

# Problem Intersections: Winthrop St/Chestnut St (L) Capitol St/Sewall St (R)

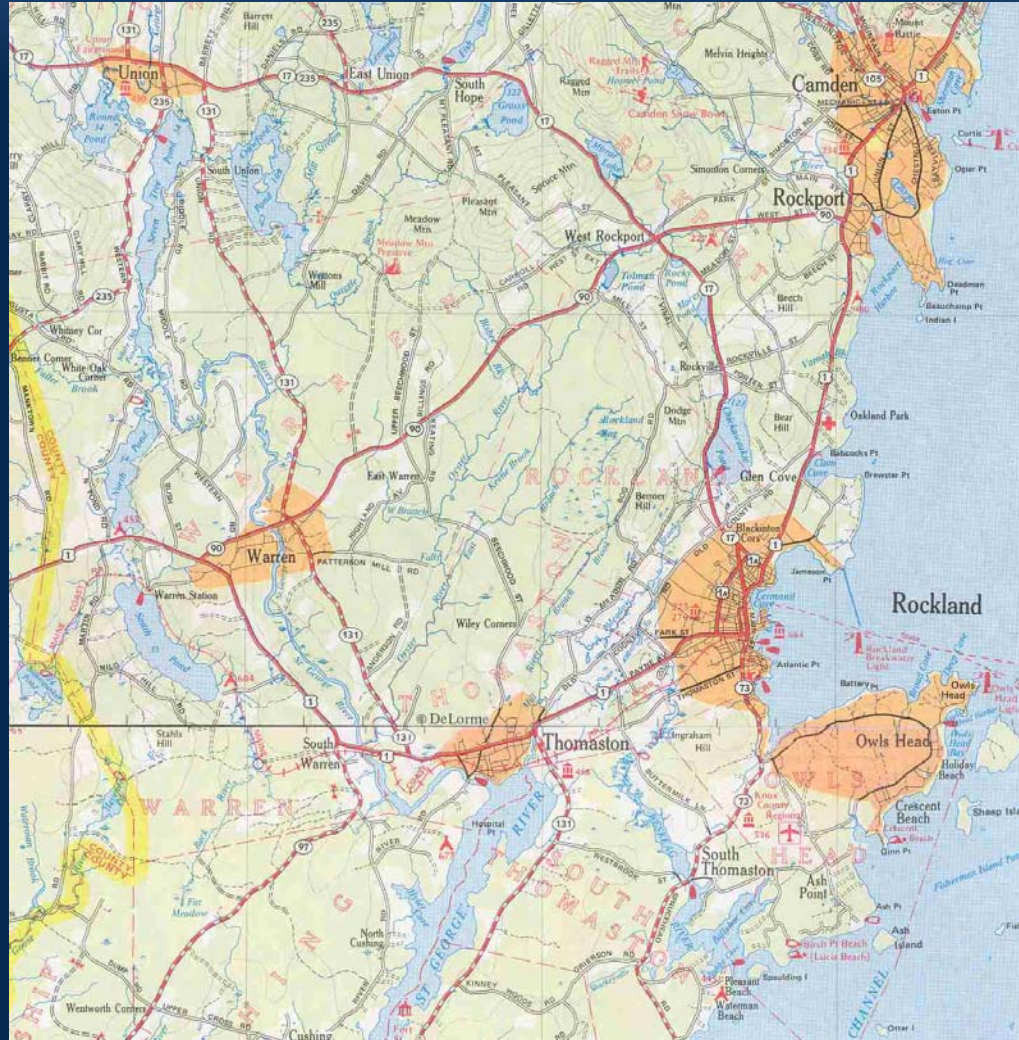


# Problem Intersections: Western Avenue at Sewall (L) and Cushman (R)

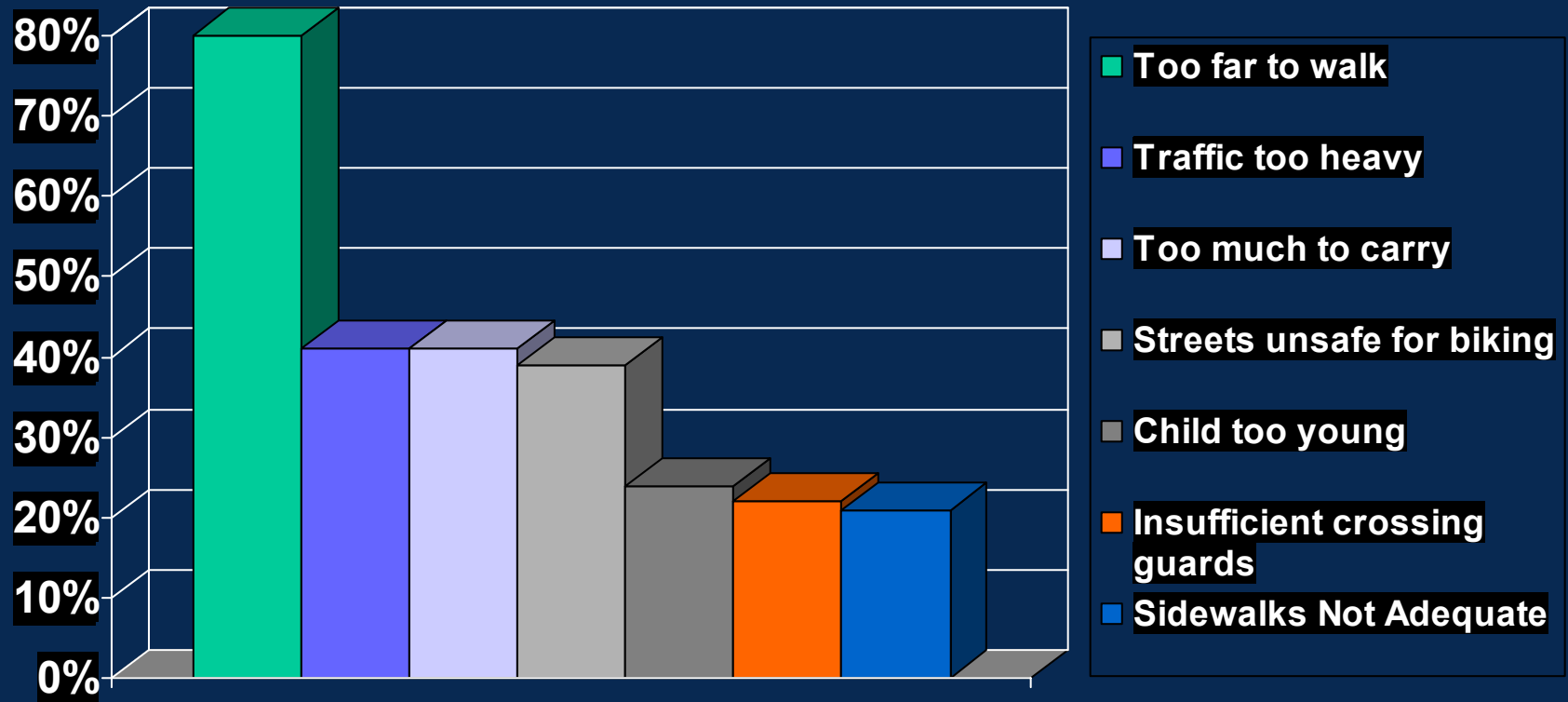




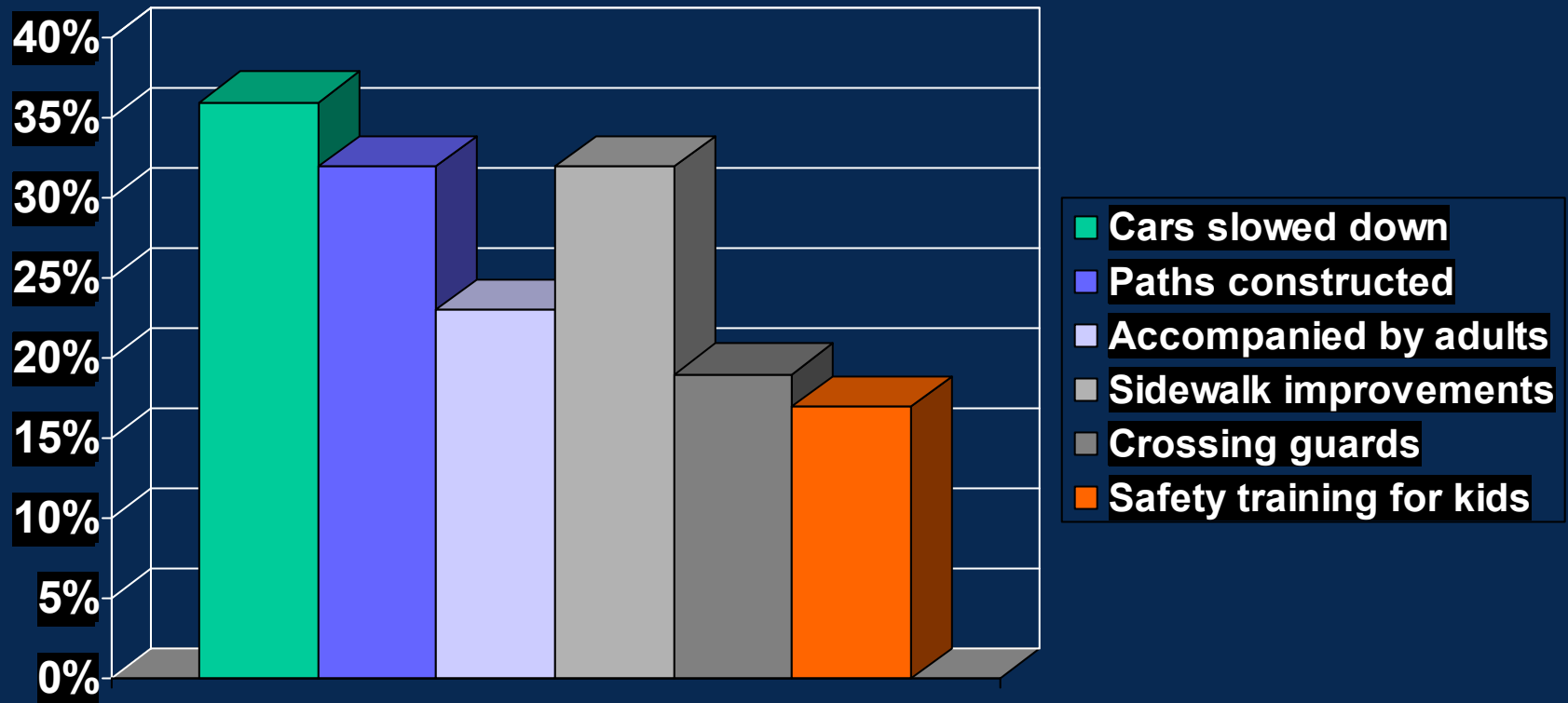
# SAD 40, Mid Coast



# Reasons SAD 40 Students Do Not Bike or Walk to School (other than weather)

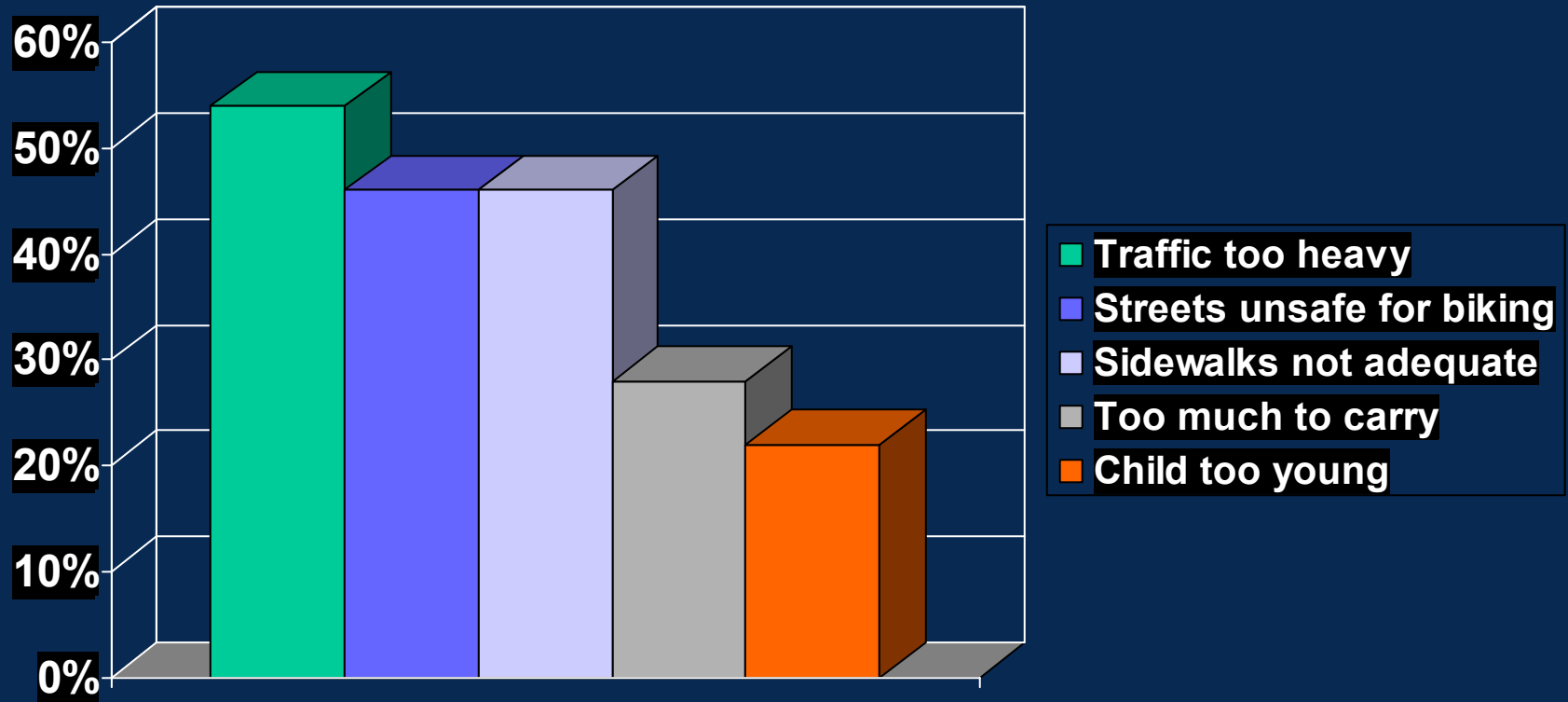


# Conditions Under Which K-8 Students Would Be Allowed to Bike or Walk to School (SAD 40)



# Reasons Cited for Not Biking or Walking to School

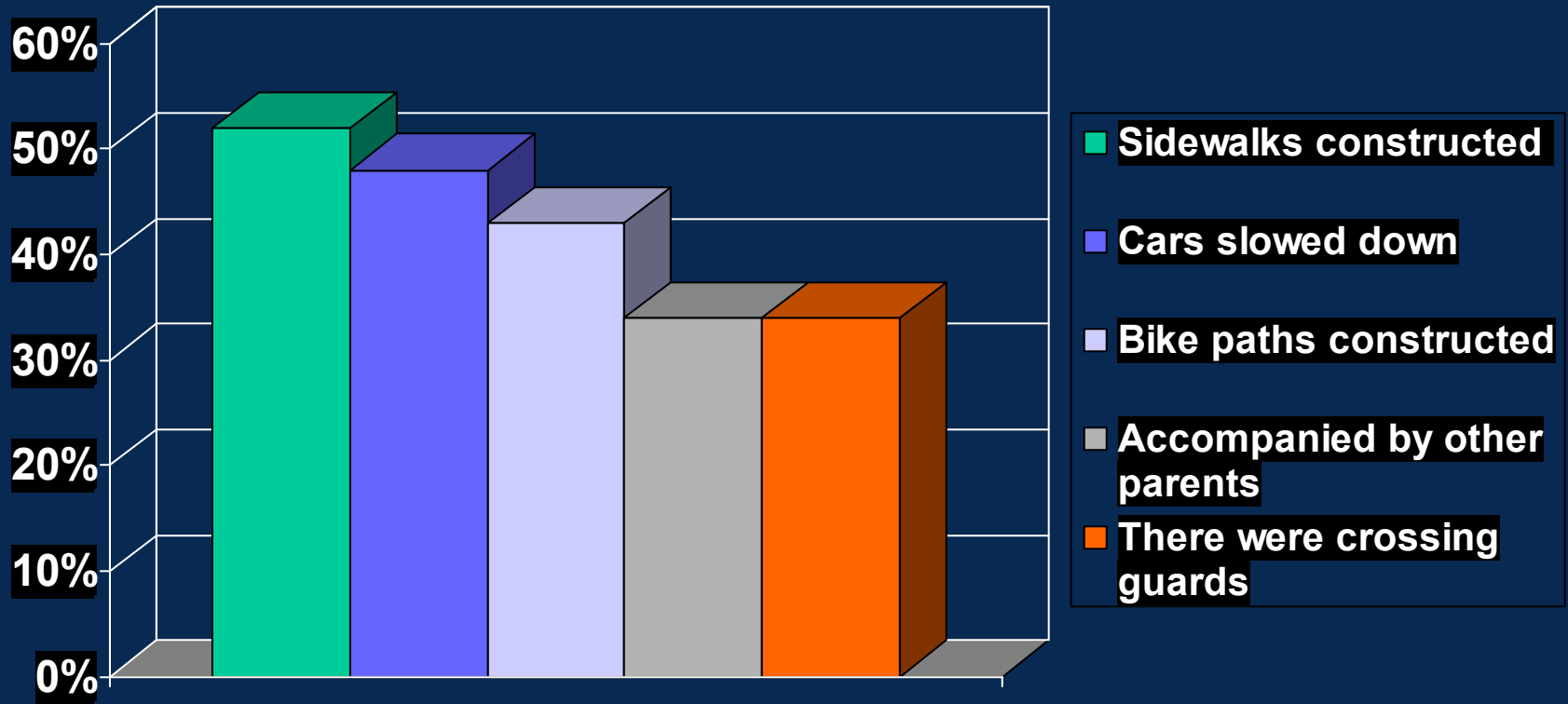
## Grade 3 – 8 Students Who Live within One Mile of School in SAD 40, Mid Coast





# Conditions Under Which Students Would Bike or Walk

## Grade 3 – 8 Students Who Live within One Mile of School in SAD 40, Mid Coast



# SAD 40 Overview

- **General traffic safety conditions frequently cited in survey:**
  1. **Lack of roadway shoulders and shoulder maintenance**
  2. **Narrow roads, poor sight distance**
  3. **Speeding – especially trucks and all traffic in school zones**
  4. **Lack of sidewalks**

# SAD 40 Overview

- **Traffic safety problems areas most frequently cited in survey:**
  1. **Route 90 and 131 Intersection (69 responses)**
  2. **Route 17 – including Union Road intersection (47 responses)**
  3. **Route 1 – numerous intersections/crossings (19 responses)**
  4. **Route 32 (14 responses)**

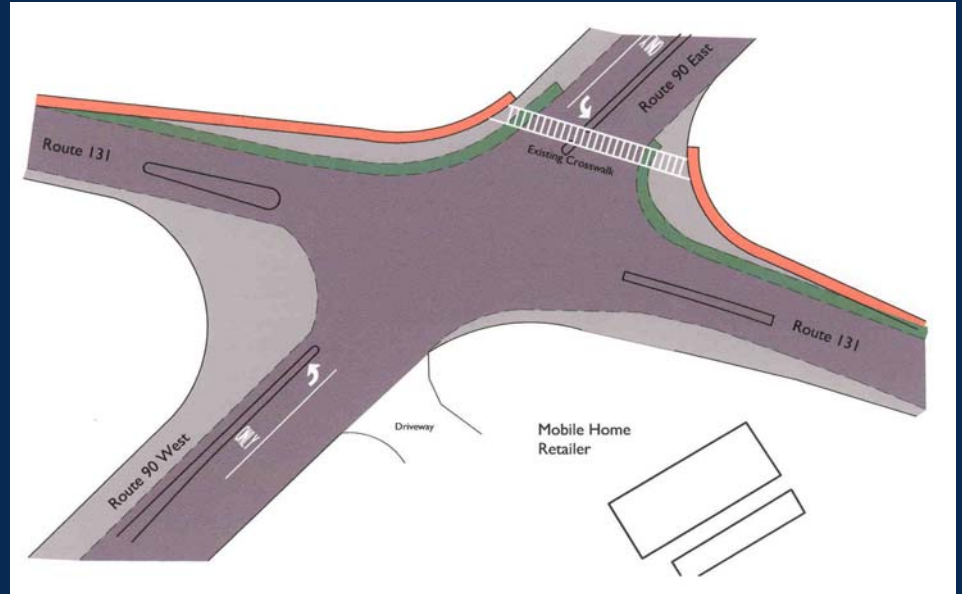
# Warren Community School to Warren Village



# Crossing Route 90 at Route 131



# Route 90 and Route 131 Intersection – Warren





# Overhead Warning Sign with Pedestrian Activated Flashing Amber Traffic Signal



# Route 17 and Union Road Intersection



# Route 1 Crossings, Waldoboro





# Lack of paved roadway shoulders

## Route 131 (L) and Upper Depot Street (R)



# On site circulation

## Medomak High School (L) and AD Gray Middle School (R)

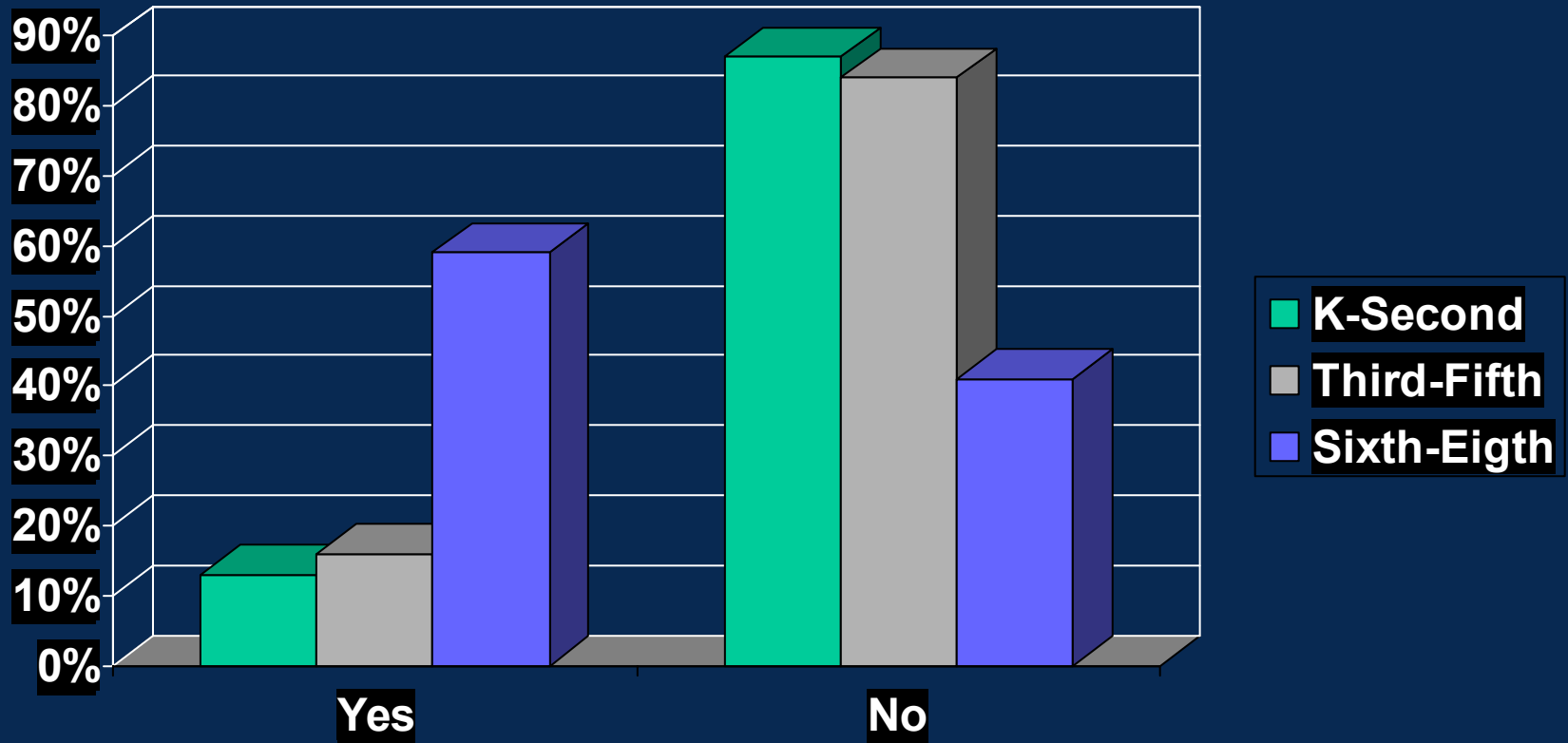


# Peru School (K-8)

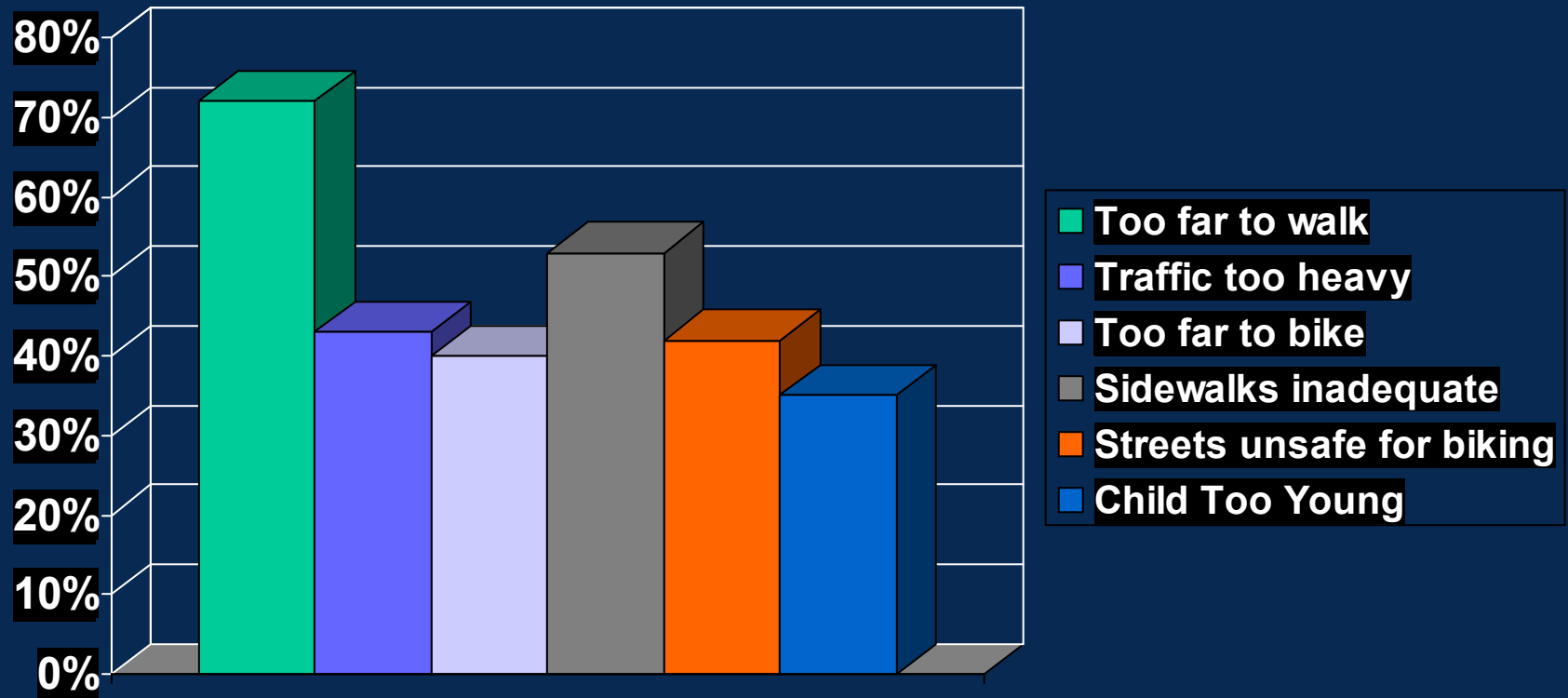




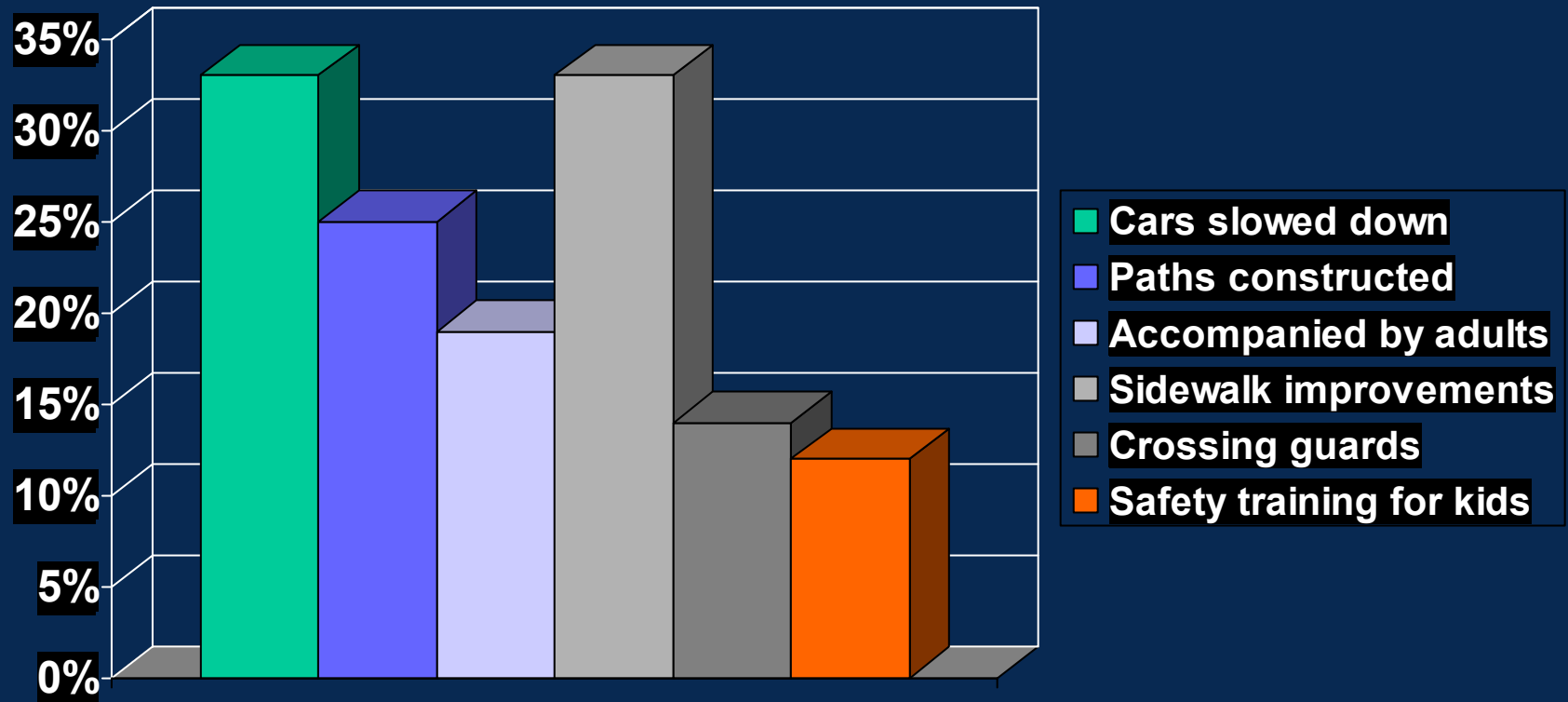
# Allowed to Walk or Bike to School By Grade in Peru



# Reasons Students Do Not Bike or Walk to School (other than weather) - Peru



# Conditions Under Which K-8 Students Would Be Allowed to Bike or Walk to School - Peru



# Peru Overview

- **Traffic Safety Problem Areas/Concerns Most Frequently Cited in Surveys:**
  - **Main Street lack of paved shoulders/sidewalks**
  - **Pleasant Street Bridge**
  - **Intersection of ME 108 and Main Street – Crosswalk improvement**
  - **Speeding in school zones**
  - **Heavy vehicle traffic (trucks)**

# Issue Identification and Follow Up

- **Two primary areas within 1 mile were evaluated and potential improvement measures suggested**
- **Begin work with town officials on short-term improvements thru Fall 2002**
- **Repeat classroom survey on mode of access in Fall 2002**
- **Develop long-term measures to increase bicycling and walking to school**
- **Evaluate impacts/benefits to bus system**

# West Peru – Immediate School Area

- Lack of lane markings and paved shoulders
- Improved signage and crosswalks in school zone





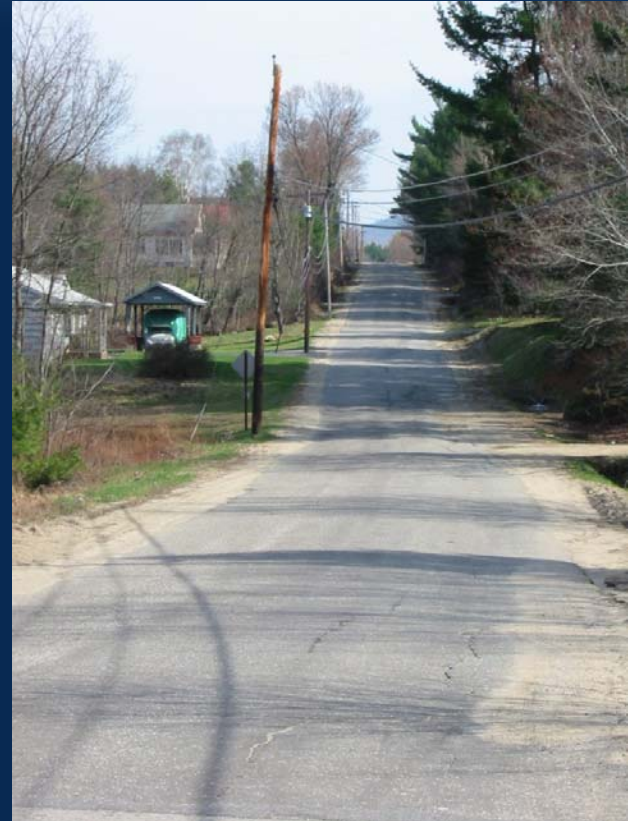
# Peru – 108 and Doloff Street District

- Intersection approaches with curbing and sidewalk/crosswalk upgrades.



# Peru – Other Areas and Issues:

- **Speed enforcement – work with County Sheriff**
- **Pavement markings needed**
- **Communal bus stops in Appropriate Areas**
- **Walk zone around school with appropriate improvements**



# Ways to Increase Biking and Walking to School

- **Getting Organized**
- **Safe Streets Initiatives**
- **Promotion**
- **Classroom Activities**

# Getting Organized

- **Form a task force**
  - **Parents**
  - **Public officials**
  - **Teachers**
  - **Children**
  - **Neighbors**
- **Walk the routes and identify hazards**
- **Bring public officials and community together**
- **Develop creative solutions**

# Safe Streets Initiatives

- **Slowing traffic (motorist education and enforcement)**
- **Intersection improvements**
  - crossing guards at busy intersections
  - signalized crosswalks
  - grade-separated crossings
- **Roadway improvements to better accommodate bicycles**
- **Sidewalk improvements**
- **Bicycle paths**





# Promotion

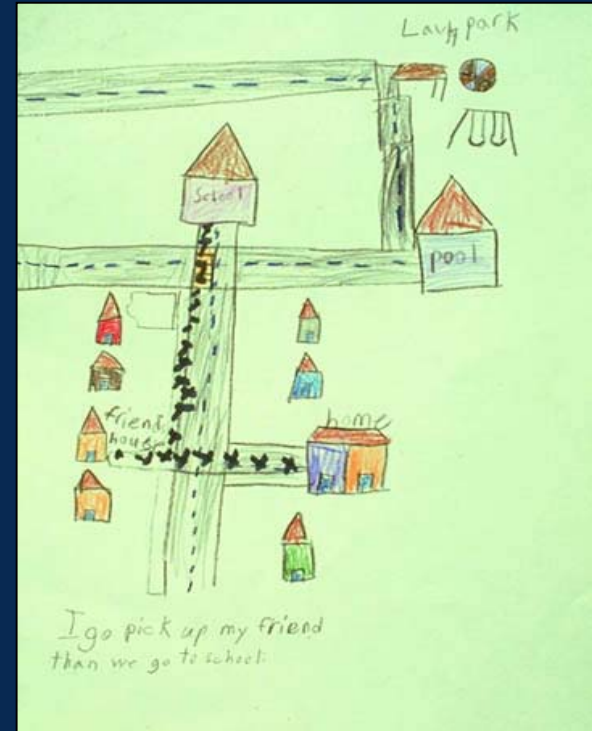
- **Contests (Frequent Rider Miles)**
- **Walk/Bike to School Days**
- **Walking School Buses / Bike Trains**





# Classroom Activities

- Involving children in planning routes



# Next Steps

- **Implement short term measures in Fall 2002**
- **Conduct classroom survey on mode of access in Fall 2002**
- **Develop long term measures to increase bicycling and walking to school**